Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

1. (currently amended) A kit comprising a means for detecting allele 1 or allele 2 of the -511 marker of IL-1B and one or more alleles selected from the group consisting of: allele 4 of the 222/223 marker of IL-1A, allele 4 of the gz5/gz6 marker of IL-1A, allele 1 of the -889 marker of IL-1A, allele 1 of the +3954 marker of IL-1B, ~~allele 2 of the -511 marker of IL-1B,~~ allele 3 of the gaat.p33330 marker, allele 3 of the Y31 marker, allele 2 of +2018 of IL-1RN, allele 1 of +4845 of IL-1A, allele 3 of the 222/223 marker of IL-1A, allele 3 of the gz5/gz6 marker of IL-1A, allele 2 of the -889 marker of IL-1A, allele 2 of the +3954 marker of IL-1B, ~~allele 1 of the -511 marker of IL-1B,~~ allele 4 of the gaat.p33330 marker, allele 6 of the Y31 marker, allele 1 of +2018 of IL-1RN, and allele 2 of +4845 of IL-1A~~, and allele 1 of the VNTR marker of IL-1RN~~.

2. (canceled)

3. (currently amended) The kit of claim 1 ~~or 2~~, wherein said ~~detecting~~ means is used in a allele detection technique ~~is~~ selected from the group consisting of:

a) allele specific oligonucleotide hybridization;
b) size analysis;
c) sequencing;
d) hybridization;
e) 5' nuclease digestion;
f) single-stranded conformation polymorphism;
g) allele specific hybridization;
h) primer specific extension; and
j) oligonucleotide ligation assay.

4. (canceled)

5. (currently amended) A kit comprising [[an]] a first isolated nucleic acid molecule which hybridizes to allele 1 or allele 2 of the -511 marker of IL-1B and one or more additional isolated nucleic acid molecules which hybridize to an allele selected from the group consisting of: allele 2 of 1731 IL-RN, allele 2 of 1812 IL-1RN, allele 2 of 1868 IL-1RN, allele 2 of 1887 IL-1RN, allele 2 of 8006 IL-1RN, allele 2 of 8061 IL-1RN, allele 2 of 9589 IL-1RN, allele 4 of the 222/223 marker of IL-1A, allele 4 of the gz5/gz6 marker of IL-1A, allele 1 of the -889 marker of IL-1A, allele 1 of the +3954 marker of IL-1B, ~~allele 2 of the -511 marker of IL-1B,~~ allele 3 of the gaat.p33330 marker, allele 3 of the Y31 marker, allele 2 of +2018 of IL-1RN, allele 1 of +4845 of IL-1A, allele 3 of the 222/223 marker of IL-1A, allele 3 of the gz5/gz6 marker of IL-1A, allele 2 of the -889 marker of IL-1A, allele 2 of the +3954 marker of IL-1B, allele 1 of the -511 marker of IL-1B, allele 4 of the gaat.p33330 marker, allele 6 of the Y31 marker, allele 1 of +2018 of IL-1RN, and allele 2 of +4845 of IL-1A~~, allele 2 of the VNTR marker of IL-1RN, and allele 1 of the VNTR marker of IL-1RN~~.

6-16. (canceled)

17. (currently amended) The kit of claim 5, wherein said first isolated nucleic acid molecule hybridizes to ~~the nucleotide corresponding to~~ allele 2 of the -511 marker of IL-1B or allele 1 of the -511 marker of IL-1B.

18-22. (canceled)

23. (new) The kit of claim 1, wherein the means is selected from the group consisting of an isolated nucleic acid molecule which hybridizes to an allele selected from the group consisting of: allele 2 of 1731 IL-RN, allele 2 of 1812 IL-1RN, allele 2 of 1868 IL-1RN, allele 2 of 1887 IL-1RN, allele 2 of 8006 IL-1RN, allele 2 of 8061 IL-1RN, allele 2 of 9589 IL-1RN, allele 4 of the 222/223 marker of IL-1A, allele 4 of the gz5/gz6 marker of IL-1A, allele 1 of the -889 marker of IL-1A, allele 1 of the +3954 marker of IL-1B, allele 2 of the -511 marker of IL-1B, allele 3 of the gaat.p33330 marker, allele 3 of the Y31 marker, allele 2 of +2018 of IL-1RN, allele 1 of +4845 of IL-1A, allele 3 of the 222/223 marker of IL-1A, allele 3 of the gz5/gz6 marker of IL-1A, allele 2 of the -889 marker of IL-1A, allele 2 of the +3954 marker of IL-1B, allele 1 of the -511 marker of IL-1B, allele 4 of the gaat.p33330 marker, allele 6 of the Y31 marker, allele 1 of +2018 of IL-1RN, allele 2 of +4845 of IL-1A, allele 2 of the VNTR marker of

IL-1RN, and allele 1 of the VNTR marker of IL-1RN; a restriction enzyme, a mass spectrometer, a nucleic acid sequencing means, cleavage agents, electrophoretic means, a polyacrylamide gel, and a labeled probe.

24. (new) The kit of claim 1, wherein the kit further comprises a means for detecting allele 1 of the VNTR marker of IL-1RN or a means for detecting allele 2 of the VNTR marker of IL-1RN.

25. (new) The kit of claim 5, wherein the kit further comprises an isolated nucleic acid molecule which hybridizes to allele 1 of the VNTR marker of IL-1RN or a an isolated nucleic acid molecule which hybridizes to allele 2 of the VNTR marker of IL-1RN.